

REQUEST FOR RECALCULATION OF PATENT TERM ADJUSTMENT IN VIEW OF WYETH*

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Application
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Inventor:

OHKUBO

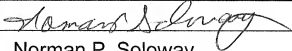
Title: REPRODUCED SIGNAL EQUALIZING METHOD FOR OPTICAL..

PATENTEE HEREBY REQUESTS RECALCULATION OF THE PATENT TERM ADJUSTMENT (PTA) UNDER 35 USC 154(b) INDICATED ON THE ABOVE-IDENTIFIED PATENT. THE PATENTEE'S SOLE BASIS FOR REQUESTING THE RECALCULATION IS THE USPTO'S PRE-WYETH INTERPRETATION OF 35 U.S.C. 154(b)(2)(A).

Note: This form is only for requesting a recalculation of PTA for patents issued before March 2, 2010, if the sole basis for requesting the recalculation is the USPTO's pre-Wyeth interpretation of 35 U.S.C. 154(b)(2)(A). See Instruction Sheet on page 2 for more information.

Patentees are reminded that to preserve the right to review in the United States District Court for the District of Columbia of the USPTO's patent term adjustment determination, a patentee must ensure that he or she also takes the steps required under 35 U.S.C. 154(b)(3) and (b)(4) and 37 CFR 1.705 in a timely manner.

*Wyeth v. Kappos, No. 2009-1120 (Fed. Cir., Jan. 7, 2010).

Signature 	Date <u>3/26/10</u>
Name (Print/Typed) Norman P. Soloway	Registration Number 24,315
<p>Note: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required in accordance with 37 CFR 1.33 and 11.18. Please see 37 CFR 1.4(d) for the form of the signature. If necessary, submit multiple forms for more than one signature, see below*.</p>	
<p><input type="checkbox"/> *Total of <u>1</u> forms are submitted.</p>	

The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 12 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



US007636287B2

(12) United States Patent
Ohkubo et al.**(10) Patent No.: US 7,636,287 B2****(45) Date of Patent: Dec. 22, 2009****(54) REPRODUCED SIGNAL EQUALIZING METHOD FOR OPTICAL INFORMATION MEDIA AND OPTICAL INFORMATION REPRODUCING/RECORDING APPARATUS****(75) Inventors:** **Shuichi Ohkubo**, Tokyo (JP); **Hiroimi Honma**, Tokyo (JP); **Masatsugu Ogawa**, Tokyo (JP); **Masaki Nakano**, Tokyo (JP); **Toshiaki Iwanaga**, Tokyo (JP); **Yutaka Kashihara**, Tokyo (JP); **Yuji Nagai**, Tokyo (JP); **Akihito Ogawa**, Tokyo (JP)**(73) Assignees:** **NEC Corporation (JP); Kabushiki Kaisha Toshiba (JP)****(*) Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 396 days.**(21) Appl. No.: 10/822,374****(22) Filed: Apr. 12, 2004****(65) Prior Publication Data**
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G11B 7/005 (2006.01)
G11B 7/00 (2006.01)**(52) U.S. Cl.** **369/59.22; 369/47.18****(58) Field of Classification Search** ... 369/59.21-59.24, 369/47.5-47.53, 47.17-47.18; 360/39, 46, 360/67; 375/316, 325, 340-341
See application file for complete search history.**(56) References Cited****U.S. PATENT DOCUMENTS**

5,892,632 A * 4/1999 Behrens et al. 360/51

6,198,587 B1 3/2001 Hayashi 360/65
6,449,110 B1 9/2002 DeGroat et al. 360/46
6,504,868 B1 * 1/2003 Koizumi 375/341
2002/0012185 A1 1/2002 Sawaguchi et al. 360/46
2002/0064108 A1 * 5/2002 Miyashita et al. 369/47.35
2002/0067670 A1 * 6/2002 Akiyama et al. 369/47.52
2002/0131486 A1 * 9/2002 Haartsen 375/229
2002/0154434 A1 10/2002 Satoh et al. 360/65
2003/0002407 A1 * 1/2003 Fujiwara 369/47.5
2003/0081668 A1 * 5/2003 Yousef et al. 375/232**FOREIGN PATENT DOCUMENTS**

EP 1 160 785 12/2001

(Continued)

OTHER PUBLICATIONS

Machine Assisted Translation and English abstract of JP 08-037478, published Feb. 6, 1996.*

(Continued)

Primary Examiner—Andrea L. Wellington**Assistant Examiner**—Nathan Daniels**(74) Attorney, Agent, or Firm**—Hayes Soloway P.C.**(57) ABSTRACT**

Reproduced signals are equalized by the least square technique by using a predetermined number of data samples binarized by a Viterbi decoder. Even when data written on an optical disk is unknown, the data can be equalized in a stable manner and can be reproduced at a low error rate without instability factors such as divergence due to interference.

3 Claims, 5 Drawing Sheets